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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Takuma HIRAMATSU.

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FOR: SPACE-DIVISION MULTIPLEX FULL-DUPLEX LOCAL AREA NETWORK

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

PRELIMINARY AMENDMENT

Please amend the above-identified application as follows:

IN THE CLAIMS

Please delete claims 1-25.

Kindly add the following new claims:

--26. A base station for use in a space-division multiplex optical wireless local area network for interconnecting a plurality of terminals, the base station comprising:

a light receiving function of an angle-diversity type; and

a multi-beam transmitter for outputting a plurality of beams,

wherein the multi-beam transmitter includes a plurality of optical transmitters so as to form a plurality of space cells each having a predetermined size, and each of the plurality of optical transmitters includes at least one LD or at least one LED as a light source.

27. A base station according to claim 26 for use in a space-division multiplex optical wireless local area network for interconnecting a plurality of terminals, the base station comprising:

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